

FIG. 1

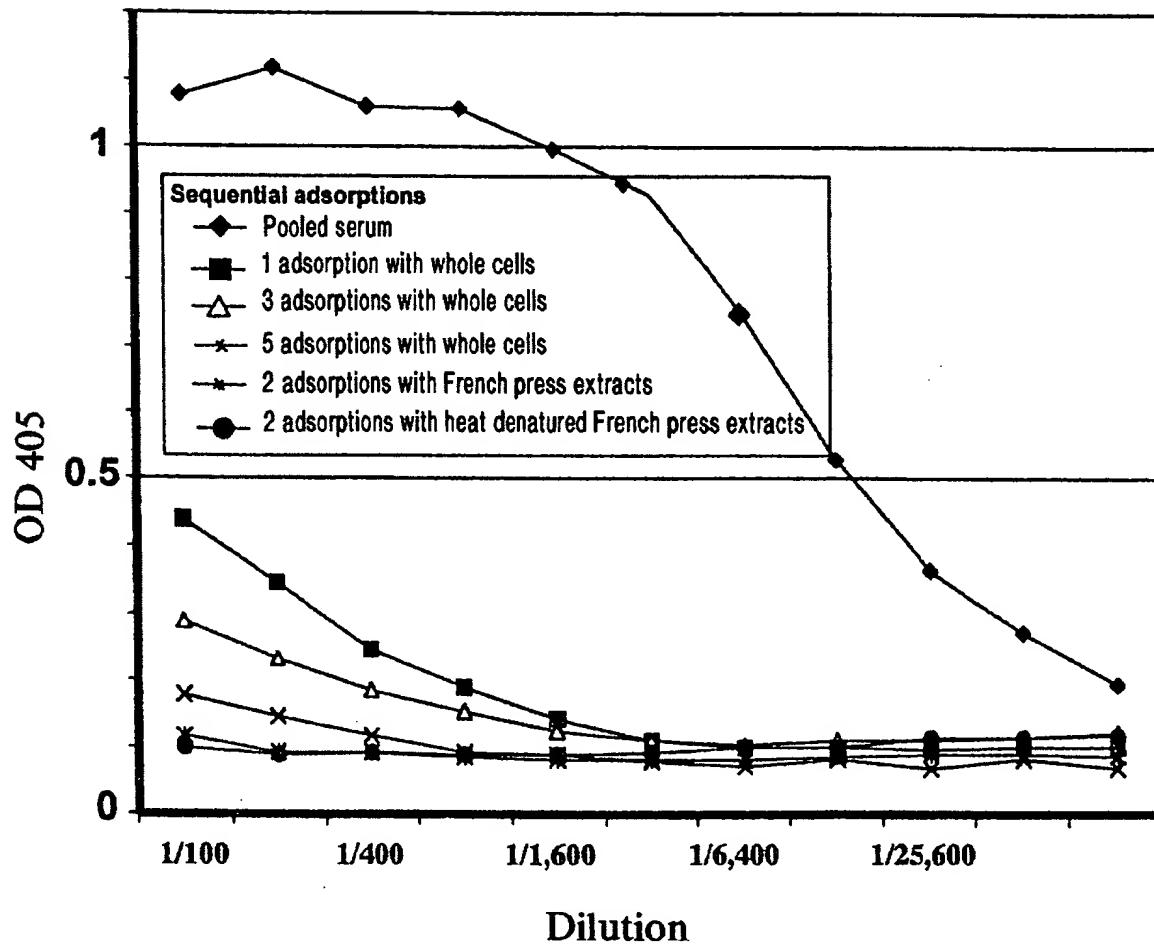


FIG. 2

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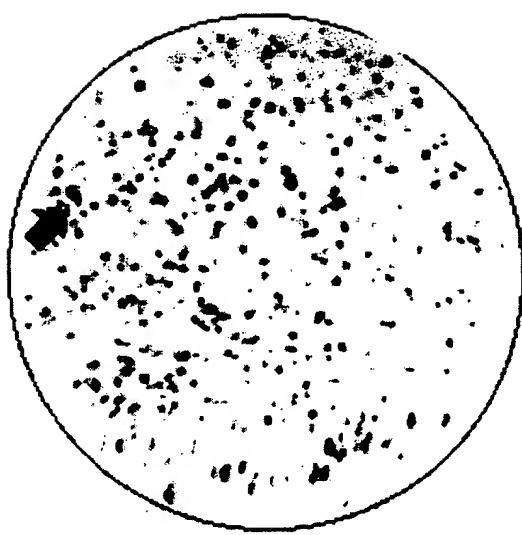


FIG. 3A

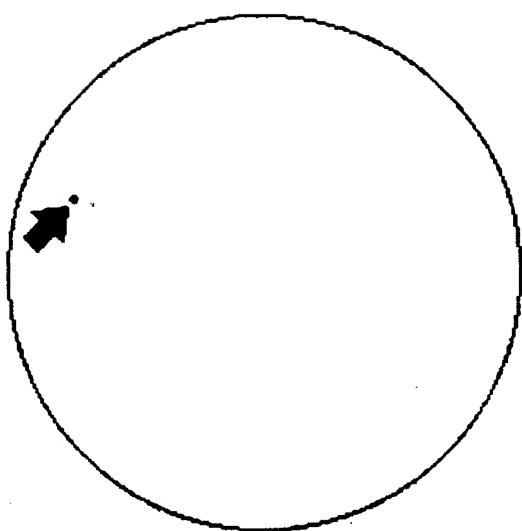


FIG. 3B

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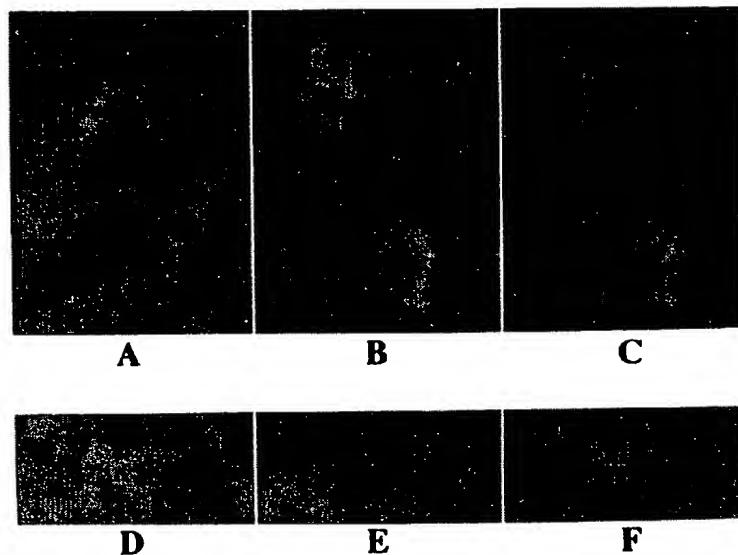


FIG. 4

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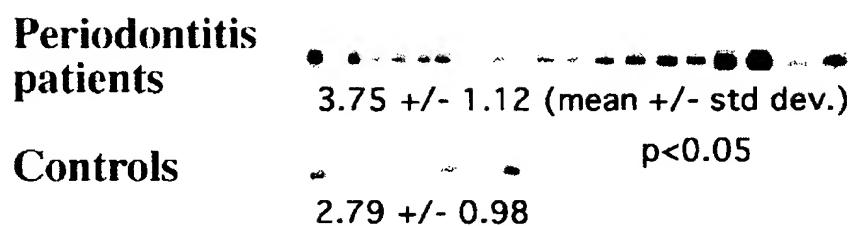


FIG. 5

Table 2. Confirmation and characterization of the IVIAT subclones.

Subclone	Reactivity with human sera +IPTG	Strongest homology (identity at amino acid level)	Organism	Possible biological role	Reference
PET30b/ BL21(DE3)		N/A	<i>H. influenzae</i>	N/A	
Aa2004		HipA (67%)	<i>H. influenzae</i>	Virulence associated lipoprotein	(14)
Aa2005		Orf4 (100%)	<i>16. actinomy-</i> <i>cetemcomitans</i>	Glycosyltransferase	(15)
Aa2008		H10701 (68%)	<i>H. influenzae</i>	Unknown	
Aa2009		SurE (63%)	<i>H. influenzae</i>	Stress associated	(16)
Aa2010		H10457 (83%)	<i>H. influenzae</i>	Unknown	
Aa2011		KthY (69%)	<i>H. influenzae</i>	Thymidylate kinase	(17)

FIG. 6

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